

A 1970 Soviet Input-Output Table Based on  
National Income Data

Input-output tables are being applied to a wide variety of Soviet economic problems, but their utility decreases rapidly as the gap between the current and base year grows. Furthermore, because of Soviet data limitations, all available information often must be used; incompatibilities in coverage and format between Soviet national accounts and I-O data handicap the researcher. The I-O table developed in this paper is consistent with Soviet national accounts and can be updated annually using Soviet official statistics. Any I-O updating procedure must deal with changes in prices, product mix, and technology. In addition, a technique that uses national accounting data to update Soviet I-O tables must also adjust for differences in the classification of economic activity in the national accounts compared with I-O statistics. This paper reports the technique's ability to handle price changes and shifts in product mix and technology, using the published 1959 and 1966 I-O tables as benchmarks. Although the correction for classification problems cannot be tested directly, the results seem reasonable. Finally, various uses of updated Soviet I-O tables are discussed, including their aid in constructing a set of western-style GNP accounts and as a base for an econometric model.